

LU03.A07 - ERD: Reengineering of a existing database

From time to time, we may need to analyze an existing database in order to optimize the structure, e.g. for the next software version.

Prerequisites

- Work type: Peer
- Means of aid: [W3Schools-SQL-Editor](#)
- Timeframe: 60 Minutes
- Expected result: ERD as a PDF-File, that describes the content of the given date-base in Crow's Foot Notation.

Task

Go to the W3Schools-Website, to the SQL-Editor, and analyze the existing data-structure. Create furthermore an ERD, that describes the existing data-structure in the Crow's Foot Notation.

SQL Statement:

```
SELECT * FROM Customers;
```

Get your own SQL server

Your Database:

Tablenames	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

1. Identify all enties.
2. Add the attributes and the corresponding data-types to each entity.
3. Relate the tables to each other by analysing the primary keys and the foreign keys.

Solution

[Lösung](#)

Vocabulary

English	German
prerequisite	Grundvoraussetzung

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